Wi-Fi Network Bridge

Industrial Wi-Fi Network Bridge with remote control and data logger

WBV4A/WBV4B/WBV4C

| WiFi | 802.11b/g/n | | Compliance | FCC/CE certified |

Enables remote control, programming, and monitoring from any web browser on a PC or mobile device. It incorporates a customizable temperature data logger with storage and visualization, using an intuitive graphical user interface (GUI).

■ Features

- Adds Wi-Fi connectivity to select Yamato oven, muffle furnace, and incubator models
- Accessible from any PC or mobile device that is network connected
- Unique network name based on MAC address or user assigned name
- External high gain antenna (+8dB) for excellent WiFi coverage
- No software applications required on PC or mobile device
- Multi-color LED for Wi-Fi status and other adapter functions

■ Specifications

Model	WBV4A / WBV4B / WBV4C
Wi-Fi	802.11b/g/n, 2.4GHz compliant (FCC/CE certified)
Power	100V-240V AC, from Yamato equipment internal switched AC PDU
Dimensions	Power module: 55mm x 25mm x25mm Controller module: 40mm x 40mm x 18mm External Antenna: 145mm x 20mm x 15mm
Indicator light	Wi-Fi, Operation, Communication status
Firmware	Built-in TCP/IP & UDP, Web server, Websocket server, OTA updates
Included accesory	Six feet standard micro USB to USB type 'A' cable to interconnect power module to controller module

■ Bridge Functions

| Model	WBV4A	WBV4B	WBV4C
Wi-Fi setup with access point discovery	●	●	●
Maintenance functions (firmware update, device name, file editor, etc.)	●	●	●
Data logger functions (log enable/disable, sample interval, log retrieval (charts), etc.)	●		
Remote control functions (Start/Stop Fixed temperature and Program cycles)	●	●	
Remote program functions (upload/download/edit Programs and Patterns)	●	●	
Status page with real-time temperature chart and equipment information	●	●	●
Direct access to VS4 control/status registers	●	●	●

■ Network Topology

Wi-Fi Bridge supports the following Yamato models:

* ADP Vacuum Ovens
* DP Vacuum Ovens
* DKN Forced Convection Ovens
* DVS Natural Convection Ovens
* FO Muffle Furnaces
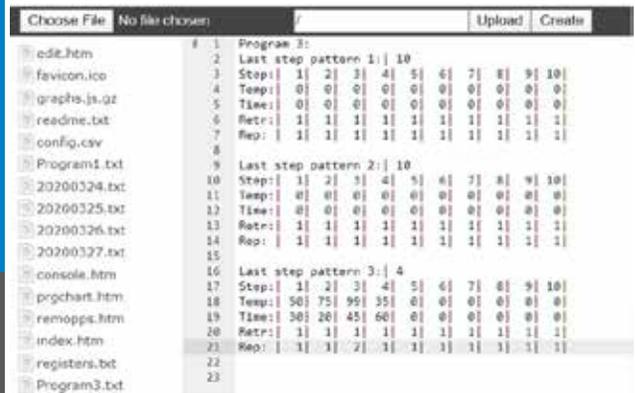* IC Incubators

■ Web Interface Screens*

Home Page

Wi-Fi Bridge Main Menu
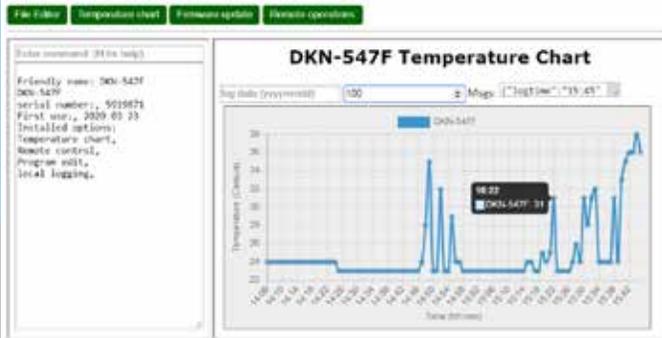
Monitor real time status with temperature chart

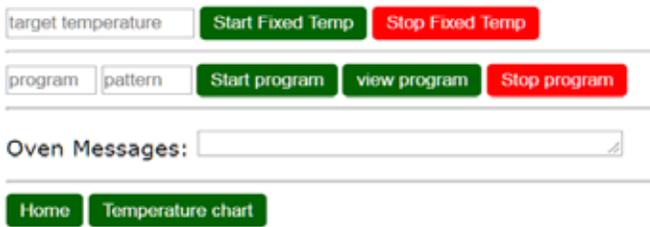### *Remote Opps Root Page*

Remote Control

Select remote control function

Wi-Fi Manager

Configure Wi-Fi with simple easy steps

■ Remote Program Screens*

Program Editor

Design a program from any PC or mobile device

Program Temperature Profile Visualizer
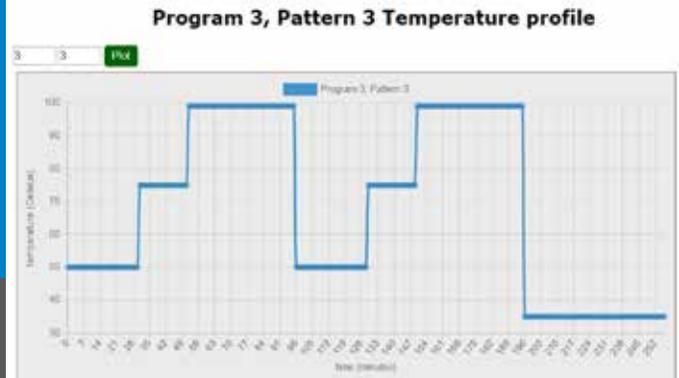
Visualize real time all steps of the program

Log File Sample
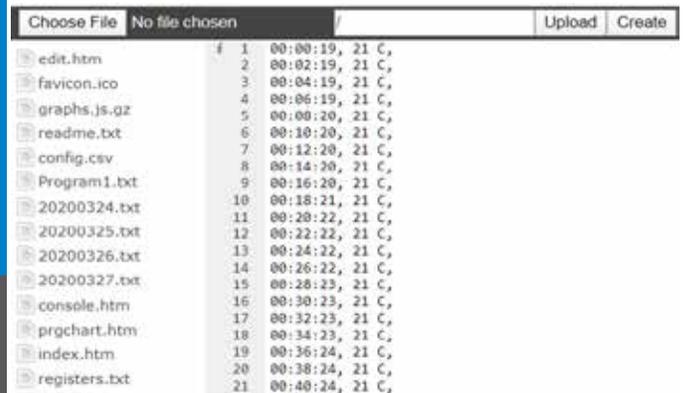
Generate a data log downloadable file

* Illustrations are subject to change and may not be present in all bridge models